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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Dwayne Bost Examiner #: _____ Date: 2-9-05

Art Unit: _____ Phone Number _____ Serial Number: _____

Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

PK2 8A37

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Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

US 5,920,530

US 6,504,946

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STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: Reynolds	Sequence (#)_____	STN _____
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Query/Command : PRT SS 2 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US5920530 A 19990706 [US5920530]

Title :

(A) Rotation control apparatus operating with a sync signal having variable intervals

Patent Assignee :

(A) PIONEER ELECTRONIC CORP (JP)

Patent Assignee :

Pioneer Electronic Corporation, Tokyo [JP]

Inventor(s) :

(A) YOSHIDA MASAYOSHI (JP); SUZUKI TOSHIO (JP); KURODA KAZUO (JP)

Application Nbr :

US19199998 19981116 [1998US-0191999]

Filing Details :

Cont. of US816138 19970312 [1997US-0816138]
Continuation of: US5875763

Priority Details :

US19199998 19981116 [1998US-0191999]
JP8457896 19960313 [1996JP-0084578]
US81613897 19970312 [1997US-0816138]

Intl Patent Class :

(A) G11B-007/00

EPO ECLA Class :

G11B-007/0045
G11B-019/247
G11B-019/28
G11B-027/19
G11B-027/30C

US Patent Class :

ORIGINAL (O) : 369047320

Document Type :

Basic

Citations :

US4761775; US4908810; US5093820; US5095475; US5420842; US5432766; US5708649; US5764610

Publication Stage :

(A) United States patent

Abstract :

A rotation control apparatus which can maintain an accurate rotating state even in a high density optical disk (DVD) having a structure such that parts of the sync signal are recorded at an interval different from that of the other sync signal parts. The apparatus has: a unit period signal generator for generating a period signal of a unit period; a pre-pit detector for detecting a pre-pit from the DVD; a phase difference detector for detecting a phase difference between the detection timing of the pre-pit and the unit period signal; and a holding circuit for holding the phase difference detected. The rotation of the DVD is

controlled on the basis of the phase difference held at the holding circuit.

Search statement 3

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5920530

Link to Claims Section

July 6, 1999

Rotation control apparatus operating with a sync signal having variable intervals

INVENTOR: Kuroda, Kazuo - Tokorozawa, Japan (JP); Yoshida, Masayoshi - Tokorozawa, Japan (JP); Suzuki, Toshio - Tokorozawa, Japan (JP)

APPL-NO: 191999 (09)

FILED-DATE: November 16, 1998

GRANTED-DATE: July 6, 1999

ENGLISH-ABST:

A rotation control apparatus which can maintain an accurate rotating state even in a high density optical disk (DVD) having a structure such that parts of the sync signal are recorded at an interval different from that of the other sync signal parts. The apparatus has: a unit period signal generator for generating a period signal of a unit period; a pre-pit detector for detecting a pre-pit from the DVD; a phase difference detector for detecting a phase difference between the detection timing of the pre-pit and the unit period signal; and a holding circuit for holding the phase difference detected. The rotation of the DVD is controlled on the basis of the phase difference held at the holding circuit.

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